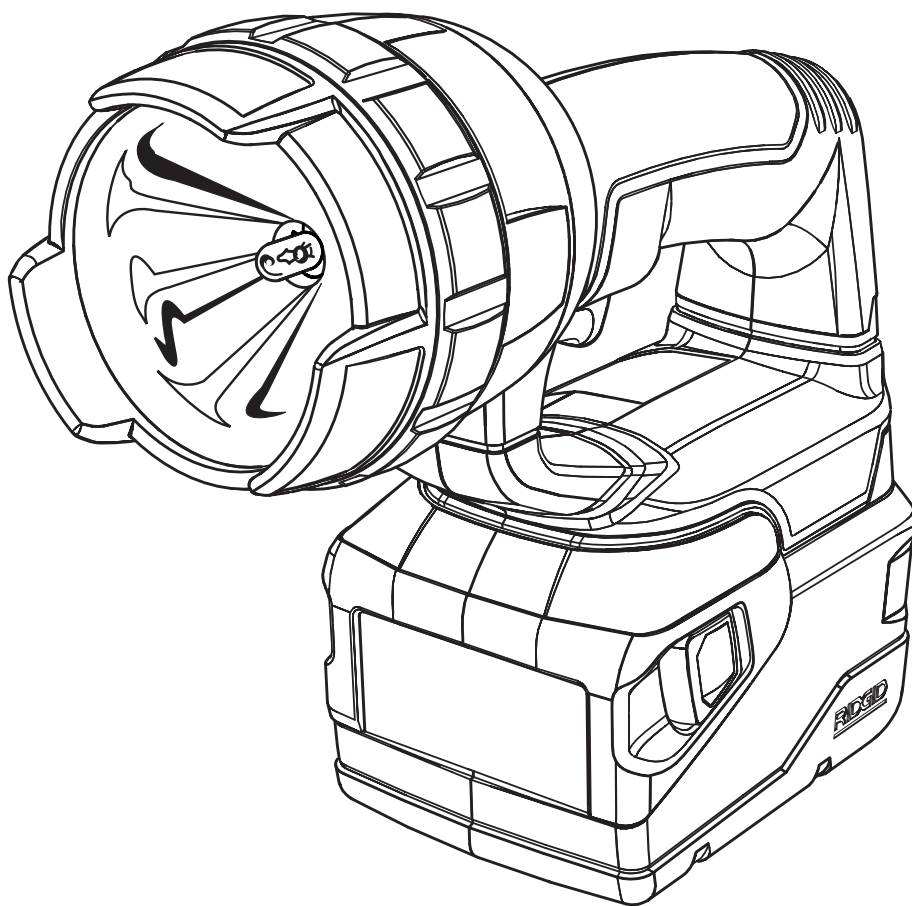




OPERATOR'S MANUAL

24 VOLT LITHIUM-ION CORDLESS WORKLIGHT

R859



**NEW BATTERY PACKS MUST BE
CHARGED BEFORE FIRST USE**

Your worklight has been engineered and manufactured to our high standards for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.



WARNING:

To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a RIDGID product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

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INTRODUCTION

This worklight has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

GENERAL SAFETY RULES



WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS.

Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

READ ALL INSTRUCTIONS

- **Know your worklight.** Read operator's manual carefully. Learn its applications and limitations as well as the specific potential hazards related to this light.
- **Use only recommended battery pack and charger.** Any attempt to use another battery pack will cause damage to the worklight and could possibly explode, cause a fire, or personal injury.
- **Use battery only with charger listed.**

MODEL	BATTERY PACK	CHARGER
R859	130377001 (R85008)	140315001 (R85009)
- **Remove battery pack from worklight before replacing bulb or performing any routine maintenance or cleaning.**
- **Do not disassemble the worklight.**
- **Do not place worklight or battery pack near fire or heat.** They may explode. Also, **do not** dispose of a worn out battery pack by incinerating. Do not incinerate the battery, even if it is severely damaged or completely worn out. The battery may explode in fire.
- **Do not operate worklight or charger near flammable liquids or in gaseous or explosive atmospheres.** Internal sparks may ignite fumes.
- **To reduce the risk of electric shock, do not put worklight, battery, or charger in water or other liquid.** Do not place or store appliance where it can fall or be pulled into a tub or sink.
- **Do not store the worklight in a damp or wet location. Do not store in locations where the temperature is less than 50°F or more than 100°F.** Do not store in outside sheds or in vehicles.
- **Do not permit children to use worklight unsupervised.** It is not a toy. The temperature of the bulb will become hot after being on for only a short period of time. This hot temperature can cause burn injury if touched and can create sufficient heat to melt some fabrics.

- **If wrapped or in contact with fabrics, the worklight lens can produce sufficient heat to melt some fabrics.** To avoid serious personal injury, never allow the worklight lens to come in contact with anything.
- **Keep light dry, clean, and free from oil and grease.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products or any strong solvent to clean the worklight.
- **Don't expose worklight to rain.** Water entering a power tool will increase the risk of electric shock or malfunction.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the worklight in unexpected situations. Do not use on a ladder or unstable support.

WORKLIGHT USE AND CARE

- **Store worklight out of the reach of children and other untrained persons.** Worklights are dangerous in the hands of untrained users.
- **Let worklight cool for several minutes after use before changing the bulb.**
- **Do not use or permit use of worklight in bed or sleeping bags.** This worklight lens can melt fabric and a burn injury could result.

SAFETY RULES FOR BATTERY WORKLIGHTS

- **Under extreme usage or temperature conditions, battery leakage may occur.** If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets in your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
- **Batteries vent hydrogen gas and can explode in the presence of a source of ignition, such as a pilot light.** To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- **Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow.** A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.

IMPORTANT SAFETY INSTRUCTIONS

WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS.

Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

- **Before using charger**, read all instructions and cautionary markings in this manual, on charger, battery, and product using battery to prevent misuse of the products and possible injury or damage.

CAUTION:

To reduce the risk of electric shock or damage to the charger and battery, charge only lithium-ion rechargeable batteries as specifically designated in this manual. Other types of batteries may burst, causing personal injury or damage.

- **Do not use charger outdoors or expose to wet or damp conditions.** Water entering charger will increase the risk of electric shock.
- **Use of an attachment not recommended or sold by the charger manufacturer may result in a risk of fire, electric shock, or injury to persons.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Do not abuse cord or charger.** Never use the cord to carry the charger. Do not pull the charger cord rather than the plug when disconnecting from receptacle. Damage to the cord or charger could occur and create an electric shock hazard. Replace damaged cords immediately.
- **Make sure cord is located so that it will not be stepped on, tripped over, come in contact with sharp edges or moving parts, or otherwise subjected to**

damage or stress. This will reduce the risk of accidental falls, which could cause injury, and damage to the cord, which could result in electric shock.

- **Keep cord and charger from heat to prevent damage to housing or internal parts.**
- **Do not let gasoline, oils, petroleum-based products, etc., come in contact with plastic parts.** They contain chemicals that can damage, weaken, or destroy plastic.
- **Do not operate charger with a damaged cord or plug**, which could cause shorting and electric shock. If damaged, have the charger replaced by an authorized serviceman.
- **Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way.** Take it to an authorized serviceman for electrical check to determine if the charger is in good working order.
- **Do not disassemble charger.** Take it to an authorized serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- **Unplug charger from outlet before attempting any maintenance or cleaning to reduce the risk of electric shock.**
- **Disconnect charger from the power supply when not in use.** This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening. It also will help prevent damage to the charger during a power surge.
- **Risk of electric shock.** Do not touch uninsulated portion of output connector or uninsulated battery terminal.
- **Save these instructions.** Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also to prevent misuse of the product and possible injury.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS**

This manual contains important safety and operating instructions for the charger, part number 140315001.

2. **Before using charger**, read all instructions and cautionary markings on charger, battery, and product using battery.

3. **CAUTION:** To reduce the risk of injury, charge only lithium-ion rechargeable batteries. Other types of batteries may burst, causing personal injury or damage.

SYMBOLS

Some of the following symbols may be used on this worklight. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the worklight better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
□	Class II Tool	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Safety Alert	Precautions that involve your safety.
	Hot Surfaces	To reduce the risk of injury or damage, avoid contact with any hot surface.

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the Operator's Manual. If you do not understand the warnings and instructions in the Operator's Manual, do not use this product. Call Customer Service for assistance.

SAVE THESE INSTRUCTIONS

OPERATION

WARNING:

The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

CAUTION:

If at any point during the charging process none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product. DO NOT insert another battery. Return the charger and battery to your nearest service center for service or replacement.

CAUTION:

Charge in a well ventilated area. Do not block charger vents. Keep them clear to allow proper ventilation.

CHARGING THE BATTERY PACK

NOTE: New 24 Volt lithium-ion battery packs will not work without first being charged. Before first time use, charge the battery pack to activate it.

It is not necessary to drain the battery pack completely before recharging. Lithium-ion battery packs have no "memory" and can be recharged at any time. It is therefore possible to charge the battery pack before extended usage even if the battery pack is not completely drained of charge. Use the charge level indicator to determine the amount of charge in the battery pack.

Lithium-ion batteries deliver fade free power for their entire run time. 24 Volt lithium-ion tools will not gradually lose power due to decreasing battery charge. Instead, power from the battery pack will drop from full to zero once the full charge has been drained from the battery. Once this happens, your tool's power drops from full to zero, and recharging the battery is required.

TO CHARGE

A fully discharged battery pack with a temperature between 32°F (0°C) and 150°F (65°C) will charge in about an hour.

- Charge the 24 Volt lithium-ion battery pack only with the charger provided.

- Connect the charger to a power supply.

NOTE: If needed, the charger can operate with most generators and inverters rated at 300 Watts or higher.

- Attach the battery pack to the charger by aligning the raised ribs on the battery pack with the grooves in the charger, then slide the battery pack onto the charger. See Figure 1.

- Do not place the charger in an area of extreme heat or cold. It will work best at normal room temperature.

- After charging is complete, the continuous green light will come on and the charge level indicator lights on the battery will go off.

- The charger will keep the battery pack fully charged if left on the charger.

CHARGING A HOT BATTERY PACK

If the battery pack is above normal temperature range, the red LED will begin flashing and the green LED will be off. When the battery pack cools down to approximately 150°F (65°C), the charger will automatically begin fast charge mode.

NOTE: Refer to **CHARGING THE BATTERY PACK** for normal recharging of batteries. If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to your nearest repair center for electrical check. For the location of your nearest repair center, please call 1-866-539-1710.

CHARGING A COOL BATTERY PACK

If the battery pack is below normal temperature range, the red LED will begin flashing and the green LED will be off. When the battery warms to a temperature of more than 14°F (-10°C), the charger will automatically begin charging.

COLD WEATHER OPERATION

The lithium-ion battery pack can be used in temperatures down to -4°F (-20°C). When the battery pack is very cold, it may "buzz" for the first minute of use to warm itself up. Put the battery pack on a tool and use the tool in a light duty application. After about a minute, the pack will have warmed itself up and begin operating normally.

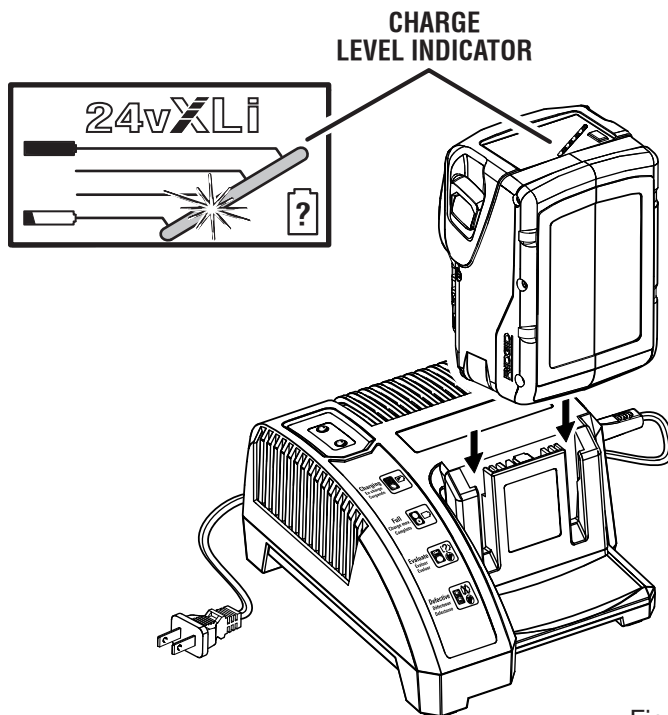


Fig. 1

OPERATION

LED FUNCTION OF CHARGER

See Figure 2.

LED INDICATOR		BATTERY PACK	RED LED	GREEN LED	ACTION
Charging En charge Cargando 	Charging	Fast charging	ON	OFF	Charges in 1 hour
	Charging	Deeply Discharged	ON	OFF	Charger pre-charges battery until normal voltage is reached, then begins fast charge mode. May take longer than 1 hour to fully charge
Full Charge max. Completo 	Full	Maintenance charging	OFF	ON	Fast charging is complete Charger maintains charge mode
Evaluate Evaluer Evaluar 	Evaluate	Hot battery pack	Flashing	OFF	When battery pack reaches cooled temperature, charger begins fast charge mode
	Evaluate	Cold battery pack	Flashing	OFF	When battery pack reaches warmed temperature, charger begins fast charge mode
Defective Défectueux Defectuoso 	Defective	Defective	Flashing	Flashing	Battery pack or charger is defective • If defective, try to repeat the conditions a second time by removing and reinstalling the battery pack. If the LED status repeats a second time, try charging a different battery. • If a different battery charges normally, dispose of the defective pack (see <i>Maintenance</i> section). • If a different battery also indicates “Defective,” the charger may be defective.

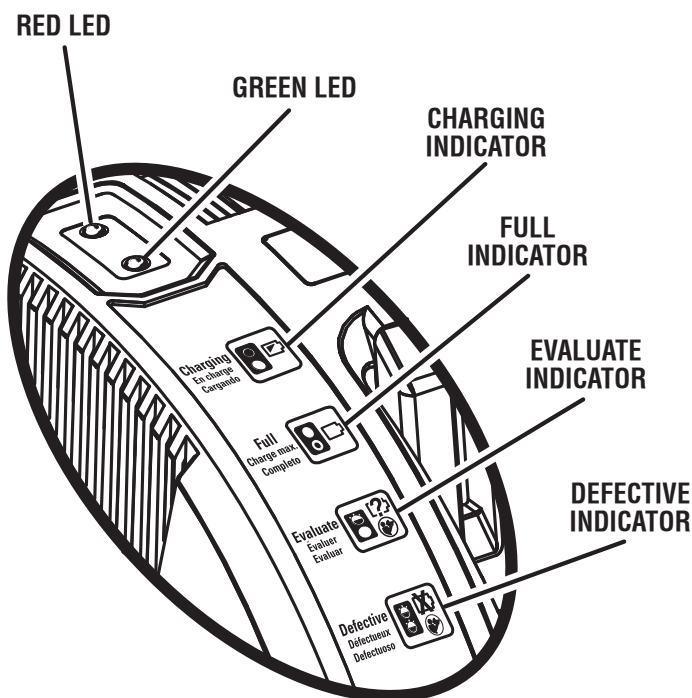


Fig. 2

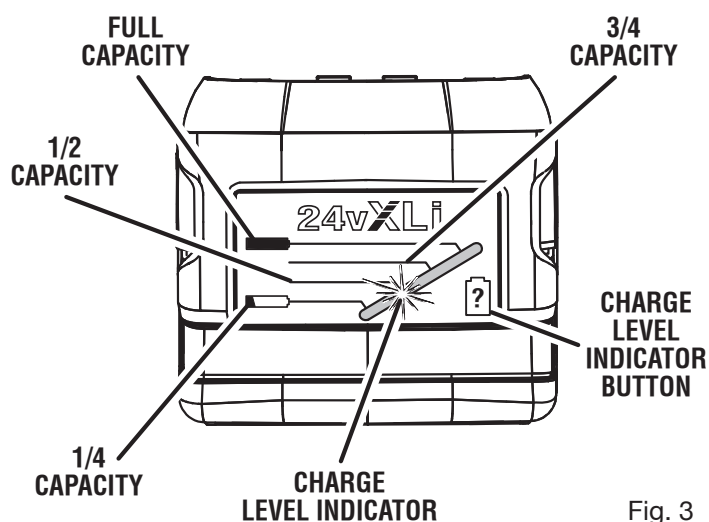


Fig. 3

CHARGE LEVEL INDICATOR

See Figure 3.

The charge level indicator shows that the battery is charged at 1/4, 1/2, 3/4, or full capacity. To display the amount of charge left in the battery, press and hold the charge level indicator button.

NOTE: When the battery pack contains less than 10% charge, the 1/4 charge level indicator will flash.

OPERATION

WORKLIGHT IS FOR HOUSEHOLD USE ONLY

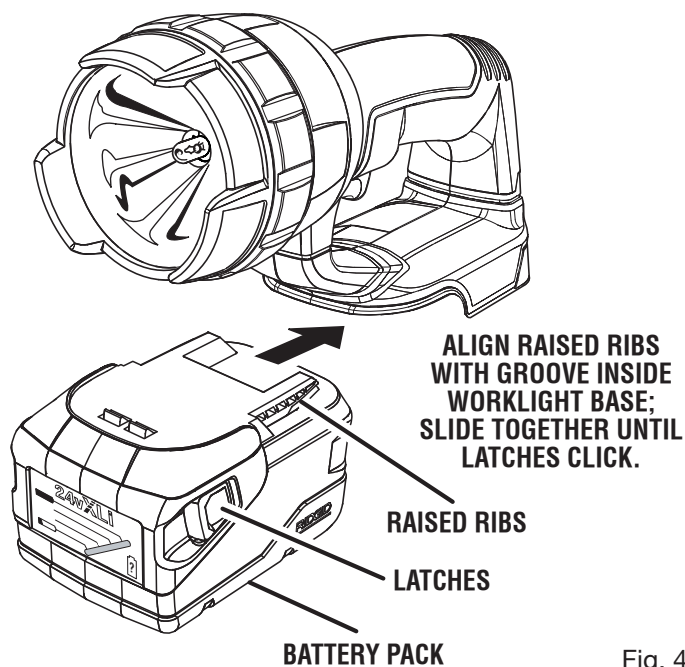


Fig. 4

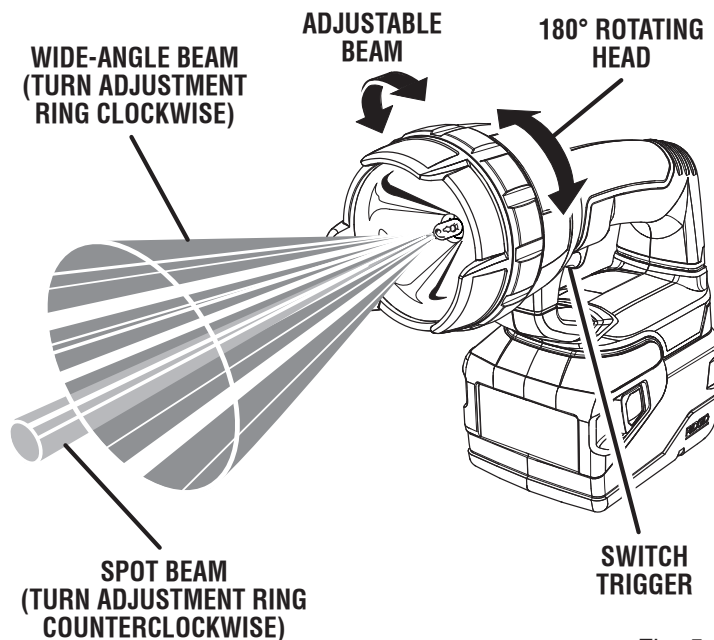


Fig. 5

MAINTENANCE

BATTERIES

The battery pack for this tool is equipped with lithium-ion rechargeable batteries. Length of service from each charging will depend on the type of work you are doing.

The batteries in this tool have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, we suggest the following:

- Remove the battery pack from the charger once it is fully charged and ready for use.

For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 80°F and away from moisture.
- Store battery packs in a 30%-50% charged condition.
- Every six months of storage, charge the pack as normal.

BATTERY PACK REMOVAL AND PREPARATION FOR RECYCLING



To preserve natural resources, please recycle or dispose of batteries properly.

This product contains lithium-ion batteries. Local, state or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash.

Consult your local waste authority for information regarding available recycling and/or disposal options.

WARNING:

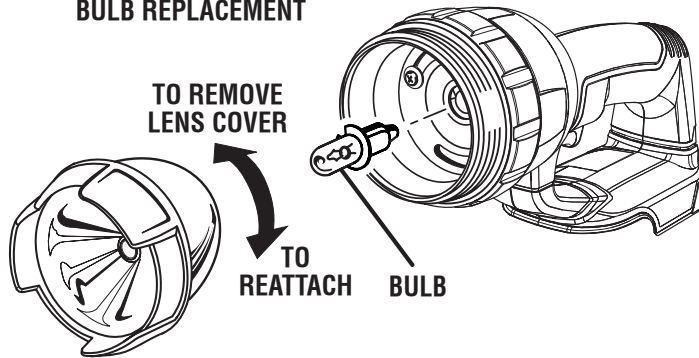
Upon removal, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery pack or remove any of its components. Lithium-ion batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

GENERAL MAINTENANCE

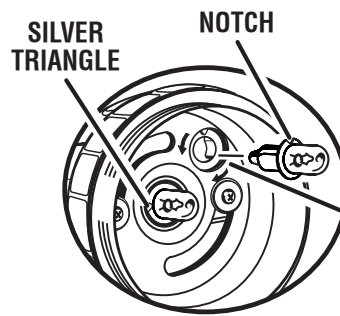
Wipe the battery pack, flashlight, and charger with a clean, dry cloth periodically to remove any dust or debris.

MAINTENANCE

BULB REPLACEMENT



**ALWAYS REMOVE BATTERY PACK BEFORE CHANGING BULB;
REPLACE BULB WITH SAME TYPE RATED 8.4 WATTS.**



**TO REMOVE COOLED BULB:
ALIGN NOTCH ON BULB
AND SILVER TRIANGLE ON
SOCKET; PULL TO REMOVE.
ALIGN AND PUSH IN TO
INSTALL NEW BULB**

Always ask for replacement bulb number 780036001.

Fig. 6

WARRANTY

RIDGID® HAND HELD AND STATIONARY POWER TOOL 3 YEAR LIMITED SERVICE WARRANTY

Proof of purchase must be presented when requesting warranty service.

Limited to RIDGID® hand held and stationary power tools purchased 2/1/04 and after. This product is manufactured by One World Technologies, Inc. The trademark is licensed from RIDGID, Inc. All warranty communications should be directed to One World Technologies, Inc., attn: RIDGID Hand Held and Stationary Power Tool Technical Service at (toll free) 1-866-539-1710.

90-DAY SATISFACTION GUARANTEE POLICY

During the first 90 days after the date of purchase, if you are dissatisfied with the performance of this RIDGID® Hand Held and Stationary Power Tool for any reason you may return the tool to the dealer from which it was purchased for a full refund or exchange. To receive a replacement tool you must present proof of purchase and return all original equipment packaged with the original product. The replacement tool will be covered by the limited warranty for the balance of the 3 YEAR service warranty period.

WHAT IS COVERED UNDER THE 3 YEAR LIMITED SERVICE WARRANTY

This warranty on RIDGID® Hand Held and Stationary Power Tools covers all defects in workmanship or materials and normal wear items such as brushes, chucks, motors, switches, cords, gears and even cordless batteries in this RIDGID® tool for three years following the purchase date of the tool. Warranties for other RIDGID® products may vary.

HOW TO OBTAIN SERVICE

To obtain service for this RIDGID® tool you must return it; freight prepaid, or take it in to an authorized service center for RIDGID® branded hand held and stationary power tools. You may obtain the location of the authorized service center nearest you by calling (toll free) 1-866-539-1710 or by logging on to the RIDGID® website at www.ridgid.com. When requesting warranty service, you must present the original dated sales receipt. The authorized service center will repair any faulty workmanship, and either repair or replace any part covered under the warranty, at our option, at no charge to you.

WHAT IS NOT COVERED

This warranty applies only to the original purchaser at retail and may not be transferred. This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse, neglect, alteration, modification or repair by other than an authorized service center for RIDGID® branded hand held and stationary power tools. Consumable accessories provided with the tool such as, but not limited to, blades, bits and sand paper are not covered.

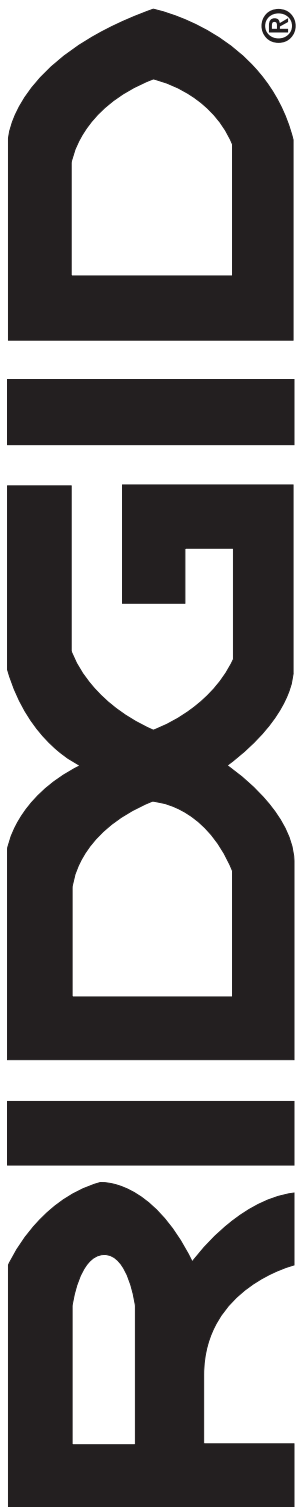
RIDGID, INC. AND ONE WORLD TECHNOLOGIES, INC. MAKE NO WARRANTIES, REPRESENTATIONS OR PROMISES AS TO THE QUALITY OR PERFORMANCE OF ITS POWER TOOLS OTHER THAN THOSE SPECIFICALLY STATED IN THIS WARRANTY.

ADDITIONAL LIMITATIONS

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, that cannot be disclaimed under state law are limited to three years from the date of purchase. One World Technologies, Inc. and RIDGID, Inc. are not responsible for direct, indirect, incidental or consequential damages. Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

One World Technologies, Inc.

P.O. Box 35, Hwy. 8
Pickens, SC 29671



OPERATOR'S MANUAL

24 VOLT LITHIUM-ION CORDLESS WORKLIGHT

R859

Customer Service Information:

For parts or service, contact your nearest RIDGID authorized service center. Be sure to provide all relevant information when you call or visit. For the location of the authorized service center nearest you, please call 1-866-539-1710 or visit us online at www.ridgid.com.

The model number of this worklight is found on a plate attached to the base of the worklight. Please record the serial number in the space provided below. When ordering repair parts, always give the following information:

Model No. _____ R859 _____

Serial No. _____